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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/690,108	KRONENBERGER, RONALD	
	<b>Examiner</b>	<b>Art Unit</b>	
	Ismael Izaguirre	3765	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/3/04 (Drawings).
2. ☒ The allowed claim(s) is/are 1-29.
3. ☒ The drawings filed on 03 May 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

### **Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

#### In the abstract:

Replace the Abstract of record by the Abstract attached hereto.

### **COMMENTS**

#### ***Abstract***

The abstract was amended pursuant to MPEP § 608.01(b) so as to reduce the length thereof. An abstract should be limited to no more than 150 words.

#### ***Reasons For Allowance***

The following is an examiner's statement of reasons for allowance: the independent claims define in combination: a first bobbin case having a support on a bobbin case wall for a first tensioning member which applies tension to the underthread and a second bobbin case having its own support on the bobbin case wall for supporting a second tensioning member which applies a tension to the underthread of a sewing machine. The magnitudes of the frictional forces placed on the thread by the first and second tensioning members are different and whereby the first and second bobbin case assemblies are selectively operably mounted on a support to select one of the first and second different tensions. The dependent claims further limit the bobbin case assemblies of the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Pertinent Citations***

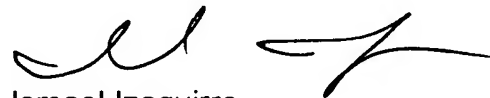
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Toof illustrates a sewing machine including selective use of shuttles where the sewing machine converts from a lock stitch to a chain stitch sewing machine depending on the choice of shuttles. Sachetti illustrates a sewing machine including an apparatus for exchanging bobbins having different colored threads. Steiner et al. Illustrate a loom including an apparatus for selecting shuttles with different yarn types. Coate illustrates a lathe including a turret for changing tools useful with the lathe. Noguchi et al. Illustrate a disk changer for the selection of a disk from a plurality of disks. Badillo illustrates a tension member on a shuttle for providing a tension depending on the amount of thread wrapping about the member. Kronenberger illustrates a bobbin case including a thread tension member including a plurality of surfaces and configurations for providing a change in tension on the bobbin thread.

### ***INQUIRIES***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ismael Izaguirre whose telephone number is (571) 272-4987. The examiner can normally be reached on M-F (8:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Calvert can be reached on (571) 272-4983. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ismael Izaguirre  
Primary Examiner  
Art Unit 3765

### Abstract

The combination of a first and a second bobbin case assembly. The first bobbin case assembly has a first wall structure, mountable operably upon a support and defining a first receptacle within which a first supply of a first thread is stored, and a first tensioning element having a circumference defined by a first surface. The second bobbin case assembly has a second wall structure, operably mountable upon a support and defining a second receptacle within which a second supply of thread is stored, and a second tensioning element having a circumference defined by a second surface. A first thread draw tension is generated at the first tensioning element and a second different thread draw tension is generated at the second tensioning element. The first and second bobbin case assemblies can be selectively operably mounted upon a support to select one of the first and second draw tensions.